



Australian Government

MSTFD2003 Apply dyeing techniques to produce Indigenous textile designs

Release: 2

MSTFD2003 Apply dyeing techniques to produce Indigenous textile designs

Modification History

Release 2. Supersedes and is equivalent to MSTFD2003 Apply dyeing techniques to produce Indigenous textile designs (Release 1).

Pre-requisite unit, MSTGN2011 Identify fibres, fabrics and textiles used in the TCF industry, is **superseded by** MSTGN2013 Identify fibres, fabrics and textiles used in the TCF industry.

Release 1. Supersedes and is equivalent to LMTFD2003B Apply dyeing techniques to produce indigenous textile designs.

Application

This unit of competency covers the skills and knowledge required to apply dyeing techniques to produce Indigenous textile designs.

The unit of competency applies to the use of tie dye and silk dyeing techniques to produce culturally-specific designs and artworks for fabrics.

The unit of competency should be customised to accommodate the image use and design protocols and techniques specific to an Aboriginal or Torres Strait Islander community.

Work may be conducted in small to large scale enterprises and may involve individual and team activities.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

MSTGN2013 Identify fibres, fabrics and textiles used in the TCF industry

Competency Field

Fashion design and technology

Unit Sector

Not applicable

Elements and Performance Criteria

Elements describe the Performance criteria describe the performance needed to

essential outcomes.	demonstrate achievement of the element.
1 Determine job requirements	1.1 Follow standard operating procedures (SOPs) 1.2 Comply with work health and safety (WHS) requirements at all times 1.3 Use appropriate personal protective equipment (PPE) in accordance with SOPs 1.4 Identify job requirements from specifications, drawings, job sheets or work instructions
2 Prepare for dyeing	2.1 Identify and apply protocols for developing culturally-specific designs 2.2 Develop single or two colour dyeing design suitable for cultural context and chosen fabric and dying technique 2.3 Identify and prepare suitable fabric, dyeing technique and dye type 2.4 Select dye formula, and measure and mix dyes to achieve desired result 2.5 Prepare tools and equipment 2.6 Use swatches of dyed fabric to experiment with and confirm dye recipe
3 Dye fabrics	3.1 Apply dyeing technique to fabric according to WHS practices 3.2 Use tools and equipment effectively and safely to achieve desired result 3.3 Complete work systematically with attention to detail
4 Review dyeing process	4.1 Assess outcome of dyeing 4.2 Modify dyeing techniques as required 4.3 Clean and store materials and equipment

Foundation Skills

This section describes those required skills (language, literacy and numeracy) that are essential to performance.

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

This field allows for different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

Workplace procedures include one or more of the following:

- requirements prescribed by legislation, awards, agreements and conditions of employment
- SOPs
- work instructions
- PPE
- oral, written and visual communication
- quality practices, including responsibility for maintenance of own work quality and contribution to quality improvement of team or section output
- housekeeping
- tasks related to environmental protection, waste disposal, pollution control and recycling
- WHS requirements

Australian Standards include:

- the relevant industry or Australian Standards that are current at the time this unit is being undertaken

Protocols include the following:

- the set of rules applying to behaviour/practices in a specific cultural context
- cultural protocols for image use, design and printing techniques
- recognising and adapting to cultural differences
- communication with individuals and community

Fabrics include one or more of the following:

- fabrics to be used for garments, textile products or accessories
- fabrics in completed products
- fabrics for art works

Dyeing techniques include one or more of the following:

- tie dye
- batik
- silk dyeing

Dye types include one or more of the following:

- silk dyes
- natural dyes
- reactive dyes

Tools and equipment include the following:

- gloves
- bucket, sink or container
- mixers
- dyes and inks

Unit Mapping Information

Release 2. Supersedes and is equivalent to MSTFD2003 Apply dyeing techniques to produce Indigenous textile designs (Release 1).

Release 1. Supersedes and is equivalent to LMTFD2003B Apply dyeing techniques to produce indigenous textile designs.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a203ec5c-de7d-406b-b3e1-8f1a9b76e92e>

Assessment Requirements for MSTFD2003 Apply dyeing techniques to produce Indigenous textile designs

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Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy the requirements of the elements and performance criteria, and include:

- reading and following information on work specifications, standard operating procedures (SOPs), work instructions and safe practices
- applying relevant standards
- applying protocols for developing culturally-specific designs
- identifying elements and principles of design in Aboriginal and Torres Strait Islander artwork
- applying design concepts to fabric dyeing
- selecting dye formula, and measuring and mixing dyes to achieve desired result
- preparing fabric, tools and equipment
- using tools and equipment effectively with attention to detail to achieve desired result
- dyeing a single or two colour design on at least three (3) fabric samples
- modifying design and technique as required
- cleaning and storing materials and equipment.

Knowledge Evidence

Evidence must be provided that demonstrates knowledge of:

- safe work practices and procedures and use of personal protective equipment (PPE)
- relevant Australian Standards
- cultural protocols for using images, designs and printing techniques
- examples of works of identified Aboriginal and Torres Strait Islander artists and textile designers
- elements and principles of design in identified Aboriginal and Torres Strait Islander artwork
- dyeing techniques and processes used by the identified community
- principles and elements of design for dyed fabrics

- effects of dyeing on fabrics
- dyeing tools and equipment:
 - gloves
 - bucket, sink or container
 - mixers
 - dyes and inks
- dyeing techniques to achieve design effects
- information resources on fibres and fabrics
- characteristics of fabrics
- safe practices and procedures.

Assessment Conditions

- Assessors must:
 - satisfy the assessor competency requirements that are in place at the time of the assessment, as set by the VET regulator.
 - have vocational competency textile dyeing techniques, at least to the level being assessed, with relevant industry knowledge and experience.
- Assessment should occur in operational workplace situations. Where this is not possible, or where personal safety or environmental damage are limiting factors, assessment must occur in a sufficiently rigorous simulated environment reflecting realistic operational workplace conditions. This must cover all aspects of workplace performance, including environment, task skills, task management skills, contingency management skills and job role environment skills.
- Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.
- Conditions for assessment must include access to all tools, equipment, materials and documentation required, including relevant workplace procedures, product and manufacturing specifications associated with this unit.

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